Claims

What is claimed is:

1. A switching system for accommodating a plurality of subscriber devices, and multiple networks, and transmitting a call setup request received from a subscriber device of the plurality of subscriber devices to a network among the multiple networks, the switching system comprising:

a switch receiving a call setup request having an information element from the subscriber device;

a call control unit collating the information element and station data, and extracting, from the station data, a network identification information that corresponds to the information element; and

a routing control unit selecting, based on the network identification information, a network from the multiple networks which include at least two different routing methods.

2. The switching system according to claim1, wherein the multiple networks include at least a B-ISUP network and a PNNI network.

3. The switching system according to claim1, wherein the information element is a subscriber identifier.

4. The switching system according to claim1, wherein the information element includes a value of the network identifier indicating a routing destination.

5. The switching system according to claim1, wherein the information element includes a value of a traffic class.

6. The switching system according to claim1, wherein the information element includes a value of a network identifier indicating a routing destination.

7. A switching system for accommodating a plurality of subscriber devices, and multiple networks, and transmitting a call setup request received from a subscriber device of the plurality of subscriber devices to a network among the multiple networks, the switching system comprising:

a switch receiving a call setup request having an information element from the subscriber device;

a call control unit collating station data and the information element, and extracting network identification information that corresponds to the information element; and

a routing control unit selecting, based on a state of use of each of the multiple networks, a network among the multiple networks which include at least two different routing methods.

8. The switching system according to claim 7, wherein the routing control unit selects a network in which a remaining bandwidth of the multiple networks is greater.

9. The switching system according to claim 7, wherein the routing control unit selects a network in which a call quantity per unit time of the multiple networks is small.

10. The switching system according to claim 7, wherein when the transmitted call setup request is refused, the switch transmits the call setup request to another network other than the network.

11. The switching system according to claim 7, wherein the call setup request received from the subscriber device includes information elements on which the routing is based, and station data that includes priorities corresponding to each of the information elements and network identifiers corresponding to each value of the information elements, and wherein

the routing control unit selects a network among the networks based on a network identifier corresponding to the top priority.

12. A routing method for a switching system that accommodates a subscriber device and multiple networks, comprising the steps of:

receiving a call setup request having an information element from said subscriber device;

selecting a network identifier from network identifiers stored in station data, based on a value of the information element;

selecting a network among multiple networks based on a value of the network identifier; and

transmitting the call setup request to the network.

13. The routing method according to claim 12, wherein the multiple networks include at least a PNNI network and a B-ISUP network.